

Homework:
p. 692-694 #s 3-18, 26

3-10, 16, 18, 26

$$x^2 = 6 \cdot 24$$

$$144$$

$$x = 12$$

HW

$$\textcircled{3} \quad 12x = 6 \cdot 10$$

$$x = 5$$

$$\textcircled{4} \quad 9(x-3) = 10 \cdot 18$$

$$20$$

$$x = 23$$

$$\textcircled{5} \quad x(x+8) = 6 \cdot 8$$

$$x^2 + 8x - 48 = 0$$

$$(x-4)(x+12)$$

$$x = 4$$

$$\textcircled{6} \quad 16 \cdot 6 = 8(x+8)$$

$$96$$

$$8x + 64$$

$$32 = 8x$$

$$4 = x$$

$$\textcircled{7} \quad 5(12) = x(x+4)$$

$$0 = x^2 + 4x - 60$$

$$(x+10)(x-6)$$

$$x = 6$$

$$\textcircled{8} \quad 4(9) = (x+2)(2x+2)$$

$$36 = 2x^2 - 2x - 4$$

$$18 = x^2 - x - 2$$

$$x^2 - x - 20$$

$$(x-5)(x+4)$$

$$x = 5$$

$$\textcircled{9} \quad x^2 = 9 \cdot 16$$

$$144$$

$$x = 12$$

$$\textcircled{10} \quad 24^2 = 12(x+12)$$

$$576 \quad 12x + 144$$

$$36 = x$$

$$\textcircled{16}$$

$$2(2x+6) = x^2$$

$$4x + 12 = x^2$$

$$x^2 - 4x - 12$$

$$(x-6)(x+2)$$

$$\Rightarrow \textcircled{6} \quad -2$$

$$\textcircled{18} \quad QR^2 = 14(26)$$

$$364$$

$$QR^2 = 19.1$$

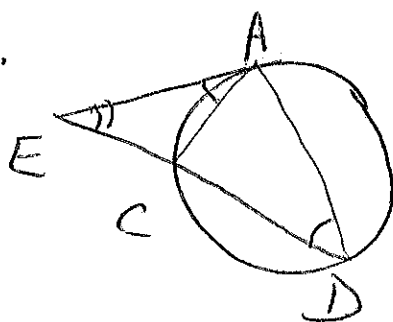
$$364 + QR^2 = 26^2$$

$$676$$

$$QR^2 = 312$$

$$QR = 17.7$$

26.



- ① Draw \overline{AD} & \overline{AC}
- ② $m\angle D = \frac{1}{2}m\widehat{AC}$
- ③ $m\angle EAC = \frac{1}{2}m\widehat{AC}$
- ④ $m\angle D = m\angle EAC$
- ⑤ $m\angle E = m\angle E$
- ⑥ $\triangle EAC \sim \triangle EDA$
- ⑦ $\frac{EA}{ED} = \frac{EC}{EA}$
- ⑧ $EA^2 = EC \cdot ED$

- ① Through any 2 pts there is exactly one line
- ② Measure of inscribed \angle thru
- ③ Tangent & Chord $= \frac{1}{2}$ inscribed arc
- ④ Substⁿ
- ⑤ Reflexive
- ⑥ AA \sim
- ⑦ Corr sides of $\sim \Delta$ s are prop.
- ⑧ Cross Mult